

BILL BARRETT CORP

GARFIELD COUNTY, COLORADO NAD 1983

Kaufman Pad #5 NWSE-24-692

Kaufman 43B-24-692

Wellbore #1

Plan: Design #1

Standard Planning Report

30 September, 2010

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43B-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43B-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	GARFIELD COUNTY, COLORADO NAD 1983		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site						Kaufman Pad #5 NWSE-24-692											
Site Position:			Northing:			1,618,121.825 ft			Latitude:			39° 30' 41.411 N					
From:			Lat/Long			Easting:			2,404,091.811 ft			Longitude:			107° 36' 44.2944 W		
Position Uncertainty:			0.00 ft			Slot Radius:			"			Grid Convergence:			-1.33 °		

Well	Kaufman 43B-24-692					
Well Position	+N-S	30.59 ft	Northing:	1,618,151.512 ft	Latitude:	39° 30' 41.713 N
	+E-W	38.37 ft	Easting:	2,404,130.882 ft	Longitude:	107° 36' 43.8048 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	0.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2007	9/30/2010	10.34	65.82	52,399

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	109.62	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,406.64	16.17	109.62	1,398.10	-30.42	85.36	2.50	2.50	0.00	109.62	
4,485.80	16.17	109.62	4,355.50	-318.24	892.91	0.00	0.00	0.00	0.00	
5,563.54	0.00	0.00	5,419.00	-368.95	1,035.18	1.50	-1.50	0.00	180.00	
7,563.54	0.00	0.00	7,419.00	-368.95	1,035.18	0.00	0.00	0.00	0.00	Kaufman 43B-24-692

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43B-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43B-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
800.00	1.00	109.62	800.00	-0.12	0.33	0.35	2.50	2.50	0.00
900.00	3.50	109.62	899.91	-1.44	4.03	4.27	2.50	2.50	0.00
1,000.00	6.00	109.62	999.56	-4.21	11.83	12.55	2.50	2.50	0.00
1,100.00	8.50	109.62	1,098.75	-8.45	23.71	25.17	2.50	2.50	0.00
1,200.00	11.00	109.62	1,197.30	-14.14	39.66	42.11	2.50	2.50	0.00
1,300.00	13.50	109.62	1,295.02	-21.26	59.65	63.32	2.50	2.50	0.00
1,400.00	16.00	109.62	1,391.71	-29.81	83.63	88.78	2.50	2.50	0.00
1,406.64	16.17	109.62	1,398.10	-30.42	85.36	90.62	2.50	2.50	0.00
1,500.00	16.17	109.62	1,487.76	-39.15	109.85	116.61	0.00	0.00	0.00
1,600.00	16.17	109.62	1,583.81	-48.50	136.07	144.46	0.00	0.00	0.00
1,700.00	16.17	109.62	1,679.85	-57.84	162.30	172.30	0.00	0.00	0.00
1,800.00	16.17	109.62	1,775.90	-67.19	188.53	200.14	0.00	0.00	0.00
1,900.00	16.17	109.62	1,871.95	-76.54	214.75	227.98	0.00	0.00	0.00
2,000.00	16.17	109.62	1,967.99	-85.89	240.98	255.83	0.00	0.00	0.00
2,100.00	16.17	109.62	2,064.04	-95.23	267.20	283.67	0.00	0.00	0.00
2,200.00	16.17	109.62	2,160.08	-104.58	293.43	311.51	0.00	0.00	0.00
2,300.00	16.17	109.62	2,256.13	-113.93	319.66	339.35	0.00	0.00	0.00
2,400.00	16.17	109.62	2,352.18	-123.28	345.88	367.19	0.00	0.00	0.00
2,500.00	16.17	109.62	2,448.22	-132.62	372.11	395.04	0.00	0.00	0.00
2,600.00	16.17	109.62	2,544.27	-141.97	398.34	422.88	0.00	0.00	0.00
2,700.00	16.17	109.62	2,640.31	-151.32	424.56	450.72	0.00	0.00	0.00
2,800.00	16.17	109.62	2,736.36	-160.66	450.79	478.56	0.00	0.00	0.00
2,900.00	16.17	109.62	2,832.41	-170.01	477.01	506.41	0.00	0.00	0.00
3,000.00	16.17	109.62	2,928.45	-179.36	503.24	534.25	0.00	0.00	0.00
3,100.00	16.17	109.62	3,024.50	-188.71	529.47	562.09	0.00	0.00	0.00
3,200.00	16.17	109.62	3,120.54	-198.05	555.69	589.93	0.00	0.00	0.00
3,300.00	16.17	109.62	3,216.59	-207.40	581.92	617.77	0.00	0.00	0.00
3,400.00	16.17	109.62	3,312.63	-216.75	608.15	645.62	0.00	0.00	0.00
3,500.00	16.17	109.62	3,408.68	-226.10	634.37	673.46	0.00	0.00	0.00
3,600.00	16.17	109.62	3,504.73	-235.44	660.60	701.30	0.00	0.00	0.00
3,672.13	16.17	109.62	3,574.00	-242.18	679.51	721.38	0.00	0.00	0.00
Mesaverde									
3,700.00	16.17	109.62	3,600.77	-244.79	686.82	729.14	0.00	0.00	0.00
3,800.00	16.17	109.62	3,696.82	-254.14	713.05	756.99	0.00	0.00	0.00
3,900.00	16.17	109.62	3,792.86	-263.48	739.28	784.83	0.00	0.00	0.00
4,000.00	16.17	109.62	3,888.91	-272.83	765.50	812.67	0.00	0.00	0.00
4,100.00	16.17	109.62	3,984.96	-282.18	791.73	840.51	0.00	0.00	0.00
4,200.00	16.17	109.62	4,081.00	-291.53	817.96	868.35	0.00	0.00	0.00
4,300.00	16.17	109.62	4,177.05	-300.87	844.18	896.20	0.00	0.00	0.00
4,400.00	16.17	109.62	4,273.09	-310.22	870.41	924.04	0.00	0.00	0.00
4,485.80	16.17	109.62	4,355.50	-318.24	892.91	947.93	0.00	0.00	0.00
4,500.00	15.95	109.62	4,369.15	-319.56	896.61	951.86	1.50	-1.50	0.00
4,505.05	15.88	109.62	4,374.00	-320.02	897.91	953.24	1.50	-1.50	0.00

BBC

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Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43B-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Price Coal									
4,600.00	14.45	109.62	4,465.64	-328.36	921.31	978.08	1.50	-1.50	0.00
4,700.00	12.95	109.62	4,562.80	-336.32	943.63	1,001.77	1.50	-1.50	0.00
4,800.00	11.45	109.62	4,660.53	-343.41	963.54	1,022.90	1.50	-1.50	0.00
4,895.14	10.03	109.62	4,754.00	-349.36	980.23	1,040.63	1.50	-1.50	0.00
Top Gas									
4,900.00	9.95	109.62	4,758.79	-349.65	981.03	1,041.48	1.50	-1.50	0.00
5,000.00	8.45	109.62	4,857.50	-355.02	996.09	1,057.47	1.50	-1.50	0.00
5,100.00	6.95	109.62	4,956.59	-359.52	1,008.72	1,070.87	1.50	-1.50	0.00
5,200.00	5.45	109.62	5,056.01	-363.14	1,018.90	1,081.68	1.50	-1.50	0.00
5,300.00	3.95	109.62	5,155.67	-365.90	1,026.62	1,089.88	1.50	-1.50	0.00
5,400.00	2.45	109.62	5,255.51	-367.77	1,031.88	1,095.46	1.50	-1.50	0.00
5,500.00	0.95	109.62	5,355.46	-368.77	1,034.68	1,098.44	1.50	-1.50	0.00
5,563.54	0.00	0.00	5,419.00	-368.95	1,035.18	1,098.96	1.50	-1.50	0.00
5,600.00	0.00	0.00	5,455.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
5,700.00	0.00	0.00	5,555.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
5,800.00	0.00	0.00	5,655.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
5,900.00	0.00	0.00	5,755.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,000.00	0.00	0.00	5,855.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,100.00	0.00	0.00	5,955.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,200.00	0.00	0.00	6,055.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,300.00	0.00	0.00	6,155.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,400.00	0.00	0.00	6,255.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,500.00	0.00	0.00	6,355.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,600.00	0.00	0.00	6,455.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,700.00	0.00	0.00	6,555.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,800.00	0.00	0.00	6,655.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
6,900.00	0.00	0.00	6,755.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,000.00	0.00	0.00	6,855.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,100.00	0.00	0.00	6,955.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,200.00	0.00	0.00	7,055.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,263.54	0.00	0.00	7,119.00	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
Rollins									
7,300.00	0.00	0.00	7,155.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,400.00	0.00	0.00	7,255.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,500.00	0.00	0.00	7,355.46	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
7,563.54	0.00	0.00	7,419.00	-368.95	1,035.18	1,098.96	0.00	0.00	0.00
TD									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
760.00	760.00	9 5/8"	9-5/8	12-1/4

BBC

Planning Report

Database:	Compass	Local Co-ordinate Reference:	Well Kaufman 43B-24-692
Company:	BILL BARRETT CORP	TVD Reference:	WELL @ 0.00ft (Original Well Elev)
Project:	GARFIELD COUNTY, COLORADO NAD 1983	MD Reference:	WELL @ 0.00ft (Original Well Elev)
Site:	Kaufman Pad #5 NWSE-24-692	North Reference:	True
Well:	Kaufman 43B-24-692	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,672.13	3,574.00	Mesaverde		0.00		
4,505.05	4,374.00	Price Coal		0.00		
4,895.14	4,754.00	Top Gas		0.00		
7,263.54	7,119.00	Rollins		0.00		
7,563.54	7,419.00	TD		0.00		

WELL DETAILS: Kaufman 43B-24-692

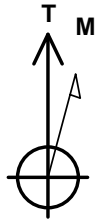
+N/-S	+E/-W	Northing	Ground Level:	0.00		
0.00	0.00	1618151.512	Easting	2404130.882	Latitude	Longitude
				39° 30' 41.713 N	07° 36' 43.8048 W	Slot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	760.00	0.00	0.00	760.00	0.00	0.00	0.00	0.00	0.00	
3	1406.64	16.17	109.62	1398.10	-30.42	85.36	2.50	109.62	90.62	
4	4485.80	16.17	109.62	4355.50	-318.24	892.91	0.00	0.00	947.93	
5	5563.54	0.00	0.00	5419.00	-368.95	1035.18	1.50	180.00	1098.96	
6	7563.54	0.00	0.00	7419.00	-368.95	1035.18	0.00	0.00	1098.96	Kaufman 43B-24-692 (TD)

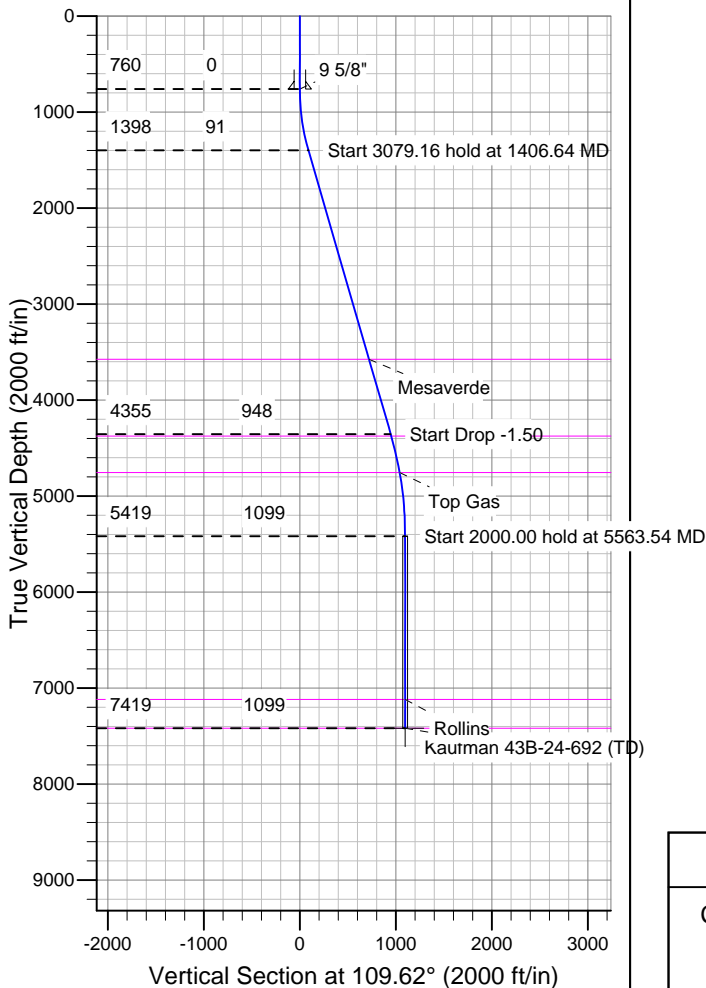
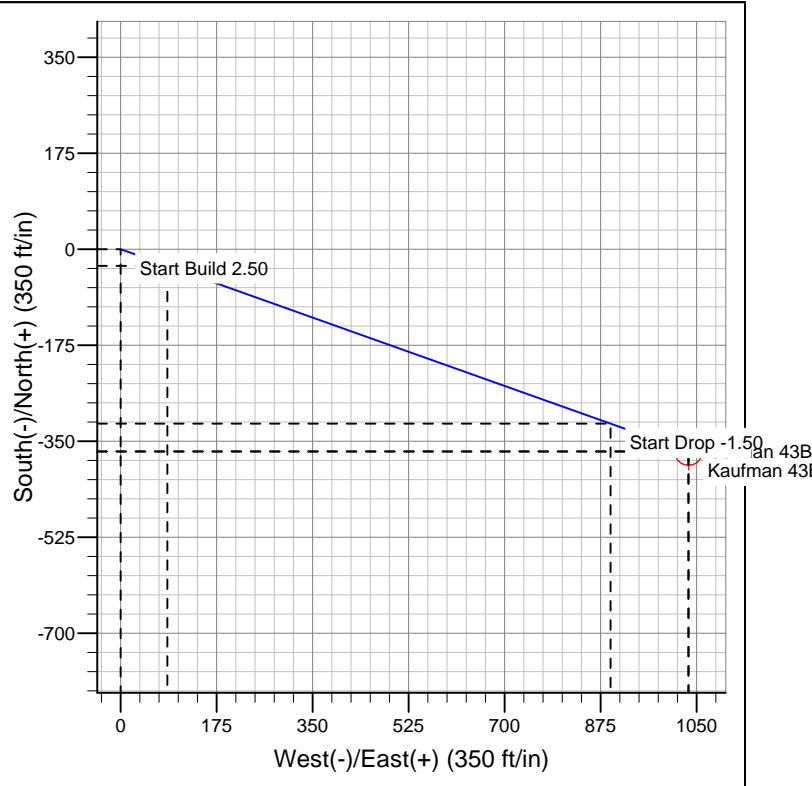
WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Kaufman 43B-24-692 (TD)	7419.00	-368.95	1035.18	Circle (Radius: 25.00)



Azimuths to True North
Magnetic North: 10.35°

Magnetic Field
Strength: 52531.8snT
Dip Angle: 65.87°
Date: 12/31/2009
Model: IGRF200510



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3574.00	3672.13	Mesaverde
4374.00	4505.05	Price Coal
4754.00	4895.14	Top Gas
7119.00	7263.54	Rollins
7419.00	7563.54	TD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Kaufman 43B-24-692, True North
Vertical (TVD) Reference: WELL @ 0.00ft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 0.00ft (Original Well Elev)
Calculation Method: Minimum Curvature